User Manual

Introduction

This IEEE 1394A PCI Host Controller card uses the most advanced, high-speed digital technology, low-cost and high bandwidth isochronous (real-time) data interfacing between computers, computer peripherals and consumer electronics products such as camcorders, VCRs, printers, TVs, digital cameras. With this IEEE 1394 standard, users can transfer video or capturing images from a digital camera or camcorder to PC with no image degradation.

Features

- Using VIA (VT6306) Single Chip PCI Host Controller for IEEE 1394-1995 and IEEE 1394a
- Embedded 1394 Link Core
  - 32 bit CRC generator and checker for receive and transmit data
  - On-chip isochronous and asynchronous receive and transmit FIFOs for packets
  - Support P1394A acceleration features
- OHCI Compliant Programming Interface
  - Complies with 1394 Open HCI Specifications V1.0 and V1.1
  - Compatible with Microsoft OHCI, DV and SBP-2 driver in Windows 98, Windows 98SE, Windows ME, Windows XP, Windows 2000 and MacOS operating system
  - Dedicated deep FIFOs for isochronous transmit, asynchronous transmit, isochronous receive and asynchronous receive
- 32-Bit Power-Managed PCI Bus Interface
  - Compliant with PCI specification V2.2
  - High performance bus mastering support
  - Compliant with PCI Bus Power Management Specification V1.1
- Integrated 400Mbit PHY
  - Compliant with IEEE 1394 Standard for High Performance Serial Bus and P1394A Supplement
  - Fully 1394a compliant cable ports, each supporting 100/200/400 Mbit/sec
  - Cable power presence monitoring
- Full support of real time dynamic insertion and removal of devices
- Supported by Microsoft Windows 98, Windows 98SE, Windows ME, Windows XP, Windows 2000 and MacOS 9.0 Operating System

What is in your package?

You should have the following items in your package:

- One IEEE 1394A PCI Host Controller card
- One User Guide
- IEEE 1394A Cable (Optional)
- Bundled Video Editing and Capturing Software (Optional)

Installing the IEEE 1394A PCI Host Controller Card

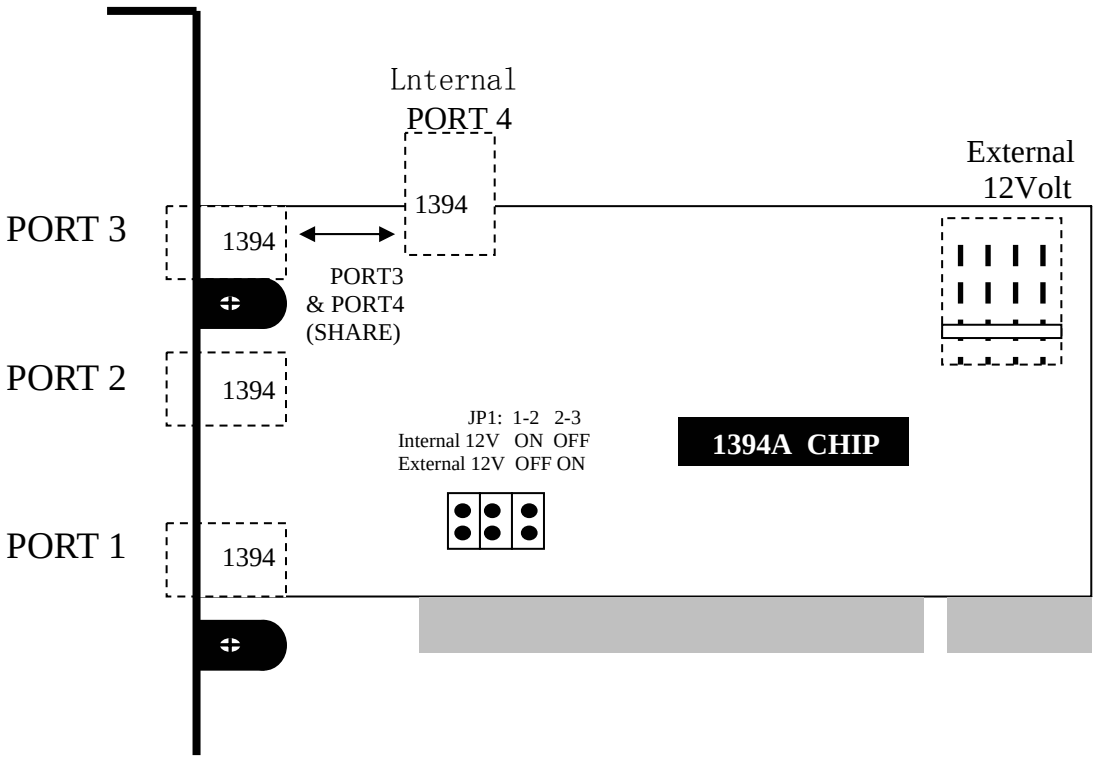
Installing this card into your computer is a simple process, just simply follow these steps.

1. Turn off your computer and all external devices connect to it.
2. Disconnect your computer from the power sources.
3. Open the computer case. Refer to your computer user manual for more details.
4. Find an available PCI slot and remove the slot bracket. Save the bracket screw for later use.
5. Align the IEEE 1394A PCI Host Controller card horizontally with respect to the PCI slot and insert it into the slot firmly and evenly. Take care not to force it into the slot. Once you have properly positioned the IEEE 1394A PCI Host Controller card into slot, fasten it to the computer case with the bracket screw you have saved.
6. Secure the computer case and switch on your computer.

Driver Installation

Note: Make sure you have your Microsoft Windows OS Installer CD ready before installing the IEEE 1394A PCI Host Controller card.
This IEEE 1394A PCI Host Controller card is compliant to IEEE 1394 OpenHCI Specifications and compatible with Microsoft OHCI, DV and SBP-2 driver in Windows 98, Windows 98SE, Windows ME, Windows 2000, Windows XP and MacOS operating system. This makes the driver installation fast and easy, no additional driver required. Simply follow the instructions provided in your operating system to complete installing the driver.

Overview



Notes:

1. The default factory setting for JP1 is set to position 1-2 (Internal 12V), which uses 12V from PCI slot. For additional power, connect the External 12V connector on the IEEE 1394A PCI Host Controller card to the power supply of the computer and set JP1 to position 2-3 (External 12V).
2. Please note that Port 3 and Port 4 are shared. If a device already connected to Port 3, you cannot connect another device to Port 4 or vice versa.